



Published weekly for employees of Lawrence Livermore National Laboratory

Monday, September 2, 2002

Vol. 27, No. 34

Making history, making a difference



FROM THE DIRECTOR

Michael
Anastasio

Laboratory continues to answer nation's call

September 2, 2002 marks the 50th anniversary of Lawrence Livermore National Laboratory. On that first day, our Laboratory consisted of just 75 people. We were a branch of the University of California Radiation Laboratory at Berkeley, and our employees were dedicated to weapons research.

Of course, the world was a much different place back then. The fear was the Soviet Union, armed with a newly tested atomic weapon and looking to develop more. Today, although the Cold

War is over, threats do remain, and the events of September 11, 2001 remind us of that. As it has done through five decades, the Laboratory is answering the call — taking on problems of national interest, solving them, and, in doing so, helping all citizens of the nation and our world neighbors.

There are about 8,000 of us now — a big jump from our 75 “founders.” From a program and technical perspective, our successes are a direct result of the teams of scientists and engineers from many disciplines that come together quickly to respond to the need at hand. This way of doing science is the legacy of the Laboratory’s founder, Ernest O. Lawrence, who believed strongly that scientists from many fields working together would accelerate the quest for fundamental knowledge. Over the past 50 years, this multidisciplinary approach has resulted in major advances in basic and

See **DIRECTOR**, page 11

Weeklong slate of anniversary events geared to all employees

A talk by former astronaut John Glenn, a daylong look at scientific programs, a lunchtime gathering for employees and a two-day Family Open House are just a few of the events that will mark a week of celebrations in honor of the Laboratory’s 50th anniversary.

While some events are by invitation only, most of the celebrations will be open to employees, and, during the open house, their family and friends.

1952 Day

On Monday, Sept. 16, a number of the Lab’s original employees will be on hand for

Lab sets aside a special day to celebrate science

By Anne M. Stark
NEWSLINE STAFF WRITER

From the heart of a star to global warming to detection of biological agents — these are just a few of things to learn about at Science Day 2002.

Starting off the 50th anniversary celebration week at the Laboratory, scientists and researchers will get the ball rolling



Tuesday, Sept. 17, with “Science Day — Our Heritage, Our Future,” a series of presentations and more than 50 posters that will span the various areas of science and technology the Lab has developed.

“This will give people broad exposure

See **SCIENCE DAY**, page 11

ing insights and anecdotes.

Panelists include Charlie Blue, Jim Hadley, Chuck Hurley, Cecilia Larsen, Chuck Leith, Duane Sewell, and Louis Wouters. Bruce Tarter, associate director-at-large, will introduce the guest speakers.

Also during the day, the West Cafe will offer a 1950s-style lunch menu, including “White Castle sliders,” vanilla cokes and macaroni and cheese.

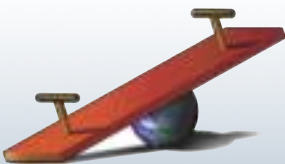
In the afternoon, Ray Geselbracht of the Truman Library will

See **EVENTS**, page 2



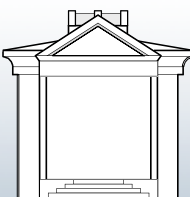
1986: Delivery
of the W87

— Page 3



Balancing
work, life

— Insert



Salary allocations
for FY03

— Page 8



LAB COMMUNITY NEWS

Weekly Calendar

Tuesday
3

LLESA's **"blended blood drive"** begins today and continues through Friday. Donors can give blood and sign up to be in the

National Bone Marrow Registry at the same time. The blended drive will be held today from 10 a.m. to 4:30 p.m. and Wednesday through Friday, 7:30 a.m. to 2 p.m. in Bldg. 415, first floor. Walk ins are welcome after the first hour of the drive each day. To learn more about becoming a marrow donor, see <http://www.marrow.org>. Contact: LLESA, 2-9402.

Wednesday
4

LLESA's **Rubber Stamping Networking Group** meets at noon in Bldg. 571, room 1301.

Friday
6

A representative from **California Casualty Insurance** will be in the Benefits Office. Appointments are required and may be scheduled by calling 2-9955. California

Casualty offers individual rates to Lab employees by payroll deduction for auto and homeowner/renter insurance. As with any employee-paid insurance coverage, employees are encouraged to comparison shop.

• • •

A representative from **Fidelity Investments** will be on-site to meet with employees on Wednesday and Thursday and Sept. 18-19. Fidelity Investments are available to UC's 403(b) participants in addition to the UC-managed investment funds. Fidelity's program offers 403(b) participants more than 140 investment portfolios in five mutual fund categories. If you would like to learn more about Fidelity's plans, call 1-800-642-7131 to set up an appointment. When calling, be sure to specify you are an LLNL employee.



Signups are under way for new sessions of **LLESA's dance and exercise classes**. The new sessions begin the week of Sept. 9.

Contact: LLESA, 2-9402.

• • •

LLESA's annual **Vintage Vehicle show** will be held 11 a.m. to 1 p.m. on Thursday, Sept. 12, in the Z-1 parking lot (near Bldg. 111).

EVENTS

Continued from page 1

present "Harry S. Truman and the Paradox of Atomic Energy," at 3 p.m. in the Bldg. 123 auditorium. All employees are invited. Truman was president at the time LLNL was founded, and his decisions were vital to the new Laboratory. Tarter will provide introductory remarks, setting the context for the lecture, which will include a video and slide show. For more information on this event, see the accompanying story on page 9.

Science Day

On Tuesday, Sept. 17, Science Day returns to the Lab with a "then and now" look at various programs. The day begins at 7:30 a.m. in the Bldg. 123 auditorium, with opening remarks by Director Michael Anastasio, Maureen McCarthy of NNSA, James Decker of DOE and John McTague of UC.

The day will then be broken down into four themed areas of research: biology, climate modeling, astrophysics and fusion energy. All will begin with a look at the Lab's early work in these areas, followed by presentations on current work and what the future holds.

A poster expo, at the 50th Anniversary Celebration Pavilion near the West Cafe parking lot, presents an opportunity for one-on-one interactions with more than 60 scientists and engineers from across the Laboratory who will present posters, video displays, and demonstrations of hardware and instrumentation that showcase their recent work.

All Laboratory employees and retirees are invited to attend the daylong event including a free lunch during the poster session. For more information on Science Day, see the accompanying article on page 1 or the Website at <http://ScienceDay.llnl.gov>.

John Glenn

The former astronaut-turned senator-turned astronaut lands at the Lab on Sept. 18 for a special presentation. Glenn's talk takes place at 4 p.m. in the Bldg. 123 auditorium. All employees are invited.

Glenn was the first American to orbit the Earth, back in 1962. In 1998, after serving as a U.S. Senator, Glenn was invited to return to space on board the shuttle Discovery.

Director's Panel

Past directors of the Laboratory will offer their

insights and memories during a special panel discussion Thursday, Sept. 19. The discussion takes place in the afternoon and will be carried on Lab TV. Details will be provided in future issues of *Newsline*.

Celebration Day

A series of special events for all employees will begin at 11:30 a.m. Friday, Sept. 20. Cake and ice cream will be served to all employees in the West, Central and South Cafes, as well as at Site 300. Other events, including a DJ playing music from the past 50 years, will be available. Details will be provided in future issues of *Newsline*.

Family Open House

The Lab will hold an Open House for employees, their family and friends on Saturday-Sunday, Sept. 21-22, 9:30 a.m.-4:30 p.m. Site 300 will hold its Family Open House on Saturday only, from 10 a.m. to 2 p.m.

Each employee may invite up to 10 family members and/or friends on each day. More than 10,000 people are expected to tour the Lab each day.

During Family Open House, guests will tour a wide variety of Lab facilities and programs. A special edition of *Newsline* will offer complete listings, along with bus routes, schedules, food services and other information.

For more information about Family Open House, see the Website at http://www-r.llnl.gov/50th_anniversary/openhouse.htm

Also during the week...

Other events marking Event Week include Community Guest Day, in which community leaders throughout the Bay Area, state and nation will tour Lab programs and attend panel discussions, followed by the dedication of an anniversary time capsule. This event is by invitation only; approximately 200 guests are expected. Community Guest Day takes place Wednesday, Sept. 18.

Special Guest Days will take place Thursday and Friday, Sept. 19-20. Invited guests will attend special panel discussions presented by the Center for Global Security Research and the World Affairs Council. Approximately 200 guests are expected on each day.

Technical Meeting Calendar

Wednesday
4

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"Filling Holes in Complex Surfaces Using Volumetric Diffusion," by James Davis,

Stanford University. 10 a.m., Bldg. 451, room 1025 (property protection area). Contacts: Mark Duchaineau, 3-1320, or Leslie Bills, 3-8927. For more information see URL (<http://www.llnl.gov/casc/calendar.shtml>).

Friday
6

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"DMS: Software Quality Enhancement via Automated Software Analysis,

Modification and Generation," by Ira Baxter, Semantic Designs, Inc. 10 a.m., Bldg. 451, room 1025 (property protection area). Contacts: Dan Quinlan, 3-2668, or Leslie Bills, 3-8927.

Tuesday
10

CENTER FOR NON-DESTRUCTIVE EVALUATION

"Wave-Based Methods in NDE Target Imaging by Prof. Anthony Devaney of

Northeastern University, Center for Subsurface Sensing & Imaging Systems. 2 p.m., Bldg. 235, Gold Room (uncleared area). Contacts: Harry Martz, 3-4269, or Sean Lehman, 3-3580.

Monday
23

ELECTRONICS ENGINEERING TECHNOLOGIES DIVISION

"A Guide to Assessing the

Value of Yes/No Forecasts," by William Briggs (interview candidate). 9:30 a.m., Bldg. 141, room 1104 (uncleared area). Contact: Steve Azevedo, 2-8538.

Newsline

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1952 – 2002

MAKING HISTORY, MAKING A DIFFERENCE

Strategic warheads with modern safety features

This is an ongoing feature highlighting the Lab's 50-year history. This week we take a look at the year 1986.

In March 1986, the first production unit of the W87 warhead for the Peacekeeper intercontinental ballistic missile (ICBM) was completed at the Pantex plant, culminating a four-year advanced development program. Peacekeeper carries 10 independently targetable Mk21 reentry vehicles with W87 warheads.

The W87 design is unique for strategic ballistic missile systems in its use of an insensitive high explosive and a fire-resistant pit design; both features help to minimize the possibility of plutonium dispersal in the event of an accident. The enhanced safety design features of the W87 were incorporated early in the development program when the Air Force was considering basing schemes with moveable missiles.

The U.S. has decided to retire Peacekeeper ICBMs and to deploy a large fraction of its W87 warheads on Minuteman III missiles. To prepare for long-term continuing deployment of the W87, a Life Extension Program for the W87 began in 1995 and modifications are being made to the W87s at Pantex. Formal certification of the refurbished warheads without nuclear testing was an important early test of new capabilities developed under the Stockpile Stewardship Program.



1986 W87 warhead

Around the Lab

Nova Target

Inside the 40,000-pound target bay of the world's most powerful laser, Nova, 10 laser beams converged on microscopic fusion fuel supported on a target positioner to create temperatures and pressures greater than those in the core of the sun. Diagnostic equipment recorded the brief (one-billionth of a second) fusion reactions, shown in this 1986 photograph.

Around the nation

- U.S. space shuttle explodes on takeoff
- U.S. air strike on Libya
- Discovery of high-temperature superconductors at CERN

Around the world

- Chernobyl nuclear-plant accident
- U.S.-U.S.S.R summit in Iceland
- Sakharov freed in U.S.S.R

in other NEWS

Other news around the Lab, the nation and the world.

For more of the Lab's rich history, check out the Timeline, located at: <http://www.llnl.gov/timeline/>

Events, activities, escorts needed for Family Open House

Family Days Listings due to Newsline

Family Days are coming to the Laboratory, Sept. 21–22. For the weekend, in honor of the Lab's 50th anniversary, Newsline will publish a special edition highlighting everything your family and friends will be able to see and do throughout the two days.

Each organization needs to send its "what's open" events and activities, along with any photos it would like to include to newsline@llnl.gov. Listings should be in a Word document; photos should be in a high-resolution JPEG format, preferably color.

Photos can also be mailed to Newsline, L-797. All listings are due Friday. If you have any questions, contact Lynda Seaver at 3-3103.

Bike Round-up Begins

Lab bikes are now being collected in order to prepare for Family Open House, Sept. 21–22. All bikes must be collected one week prior to Family Open House. Personal and program bikes must be locked up during that weekend.

Fleet Management will round up bikes at a slow rate, with most of the bikes collected toward the end of the next two weeks. During that time, Fleet Management will inventory the bikes and perform inspections. Employees are requested to

park the bikes in areas that can be clearly seen by the bike shop mechanics for pick-up.

The bikes will be returned after Family Open House.

Escorts Needed for Family Open House

Non-exempt employees are needed to work as escorts, or help with check-in and other services during Family Open House, Sept. 21 and 22. Employees must be L- or Q-cleared; they will be paid for their time. Employees may elect to work Sept. 21, 22 or both. To volunteer, contact Jolene Inokuchi at inokuchi1@llnl.gov. For information, call 3-4616.



NEWS YOU CAN USE

Beryllium medical surveillance program enters final stretch

The Laboratory’s beryllium medical surveillance program is in the final stages of its two-year effort to identify and screen employees who may have worked in places where the metal was used.

Rates for beryllium disease at the Lab are low, particularly when compared to production facilities in the DOE complex, according to surveillance figures.

Dr. Jim Seward, director of Health Services, attributes LLNL’s low beryllium disease rate to controls that predate any federal mandates and high level of awareness of the hazards of beryllium among scientists, engineers, technicians and other staff who work in areas where beryllium is used.

Exposure to airborne beryllium particles can cause serious health problems, the most common of which is a respiratory disease known as chronic beryllium disease or CBD. Airborne particles are generated during the manufacture of components that use beryllium alloys or compounds. At LLNL, beryllium has been used in nuclear weapons technology, Chemistry & Materials Science, lasers, and other areas.

“The Laboratory took beryllium seriously very early. We’ve had controls since the 1950s and medical surveillance for many years. About 3 percent of the current employees and former employees who have been tested show sensitization to beryllium. However, actual cases of disease among the sensitized group so far have been rare,” Seward said. “We are very optimistic that we will continue to have a low rate of beryllium disease.”

While the Laboratory employed beryllium controls long before any federal mandates, the development of new screening tests and a better understanding of the health effects of beryllium led the DOE to implement a new “Beryllium Rule” in December 1999. The rule required the laboratories and production plants to conduct a thorough inventory of all

areas where beryllium has been used and to identify workers, current and past, who may have been exposed to beryllium particles.

“We’re in the final stretch of the beryllium exam program. We’ve identified all the areas where beryllium has been used and have an enhanced medical surveillance program in place,” Seward said. “Our effort to raise awareness among current employees and reach out to past employees will continue.”

George Fulton, head of the Lab’s Beryllium Control Program, said a list of employees who may have been exposed to beryllium was compiled by reviewing Lab work documents and training records. Near the start of the program about 1,000 employees were sent a letter and questionnaire to determine if they were candidates for medical surveillance.

In addition, the Lab stepped up efforts to raise awareness of beryllium in 2000 by requiring all Lab employees to take Beryllium Awareness (HS-4258) biannually. The 2002 refresher also included a site wide beryllium exposure survey to identify people who may have been missed in the earlier survey.

The first step in medical surveillance is a blood test to determine if workers have been “sensitized” to beryllium. Sensitization has no symptoms; without the blood test, a person’s sensitization state and potential risk for disease are unknown. Blood samples are taken in Health Services and sent to one of a handful of specialized medical labs for analysis. A person is “sensitized” if his or her immune system responds to beryllium on two sequential tests.

Individuals who are sensitized have white blood cells in the blood or lungs that react to beryllium.

“The response of a sensitized person’s immune system is similar to the allergic reaction of an asthma sufferer to certain chemicals or pollens,” said Dr. Steve Burastero. “The difference is that the person sensitized to beryllium may not experience symptoms until much later and in some cases they may never show symptoms at all.”

Symptoms of chronic beryllium disease (CBD) can be similar to those of other lung diseases. Common symptoms may include shortness of breath with exertion and persistent coughing. Fatigue and chest are uncommon and pain can occur later in more advanced cases. Many cases nowadays are detected early via medical screening and have minimal

or no symptoms whatsoever.

The average time from first beryllium exposure to the development of CBD is 10 to 15 years, but the latency period can range from a few years to 40 years.

More than 350 current employees have been screened to date, with eight testing as sensitized; about 1,600 retirees and former employees have been tested, with 44 sensitized. These sensitization rates are lower than those seen in the DOE production plants.

Sensitized individuals are referred for further evaluation to UC San Francisco beryllium expert and pulmonary specialist Dr. John Balmes, who will look for scarring of the lungs and other indications of chronic beryllium disease.

“We will offer screening to any employee who is concerned that they may have been exposed to beryllium,” Seward said. Normally, employees are invited for screening based on their responses on the survey form.

Fulton said LLNL manuals on the handling of beryllium dating from the mid 1950s required adequate protective equipment for beryllium workers — respirators, rubber gloves and goggles. “Interest in and concern about beryllium dates to the Lab’s earliest days,” he said.

The Lab has built on that tradition, with today’s controls being more stringent, he said, noting that areas where beryllium activities take place are well marked with warning signs and subject to strict controls including training, personal protective equipment, ventilated enclosures for dust producing operations and air monitoring.

Beryllium is a naturally occurring metal commonly used in aerospace, nuclear, electronics and other industries. The silver-gray metallic element occurs naturally in several minerals and is used in such consumer products as bicycles, golf clubs, jewelry, computer components, automobile air bags and dental bridges. Beryllium in solid form, such as in these products, poses no health risk.

Contacts: ES&H Filed Teams

Team 1	3-2233
Team 2	2-5116
Team 3	2-8794
Team 4	3-9562
Team 5	4-5228
Health Services, Dr. Steve Burastero, 4-4506	
Hazards Control, George Fulton, 4-5162	
DOE Former Workers Program, Kris Neely, 3-1693	

DOE program for former beryllium workers

Persons who worked with beryllium and either retired from or left the Lab for other employment, and who are concerned about beryllium health effects can take part in the DOE Former Beryllium Workers’ Program. Kris Neely, who manages the program for LLNL, can provide assistance for people who would like to be tested.

In December 2000, Congress passed the Energy Employees Occupational Illness Compensation Program Act. This is a program to identify and compensate workers who have certain illness resulting from their work at a DOE contractor site. This Act is administered by the Department of Labor. This Act provides for medical surveillance, or in certain cases, compensation of \$150,000 for workers who have certain illnesses or conditions. Assistance with the process is available through the DOE or DOL; the Web addresses at the end of this article will provide contacts.

For more information about LLNL’s Beryllium Prevention Program, the DOE Programs, or beryllium check:

- LLNL Beryllium Disease Prevention program Website: information about the LLNL program with links for additional information. <http://www.llnl.gov/Be-prevention/>
- DOE Chronic Beryllium Disease Prevention Program Website: information about the DOE program, regulation and guidance, as well as sources for more information <http://tis-nt.eh.doe.gov/be/>
- DOE Energy Employees Occupational Illness Compensation Program Act: information about the program, sites covered by the programs, including claim forms <http://tis.eh.doe.gov/advocacy/index.html>
- DOL information on the Energy Employees Occupational Illness Compensation Program Act which it implements for the DOE <http://www.dol.gov/esa/regs/compliance/owcp/eeoicp/main.htm>

ISM X-FILES / by John Maduell

Sponsored by the SSEP Directorate

Don't Injure Your Back

This scenario was taken from Lab Lessons Learned files. LL files detail several incidents involving employees who injured themselves during office hours when moving furniture or boxes.

Lessons Learned statistic.

The Problem

Those of us who only occasionally get involved in moving furniture or other heavy office items are particularly vulnerable to injury.

Leave heavy moving to professionals.

What Was Learned

Too often, we either don't use the best back mechanics or use improper

Bend your knees as you lower your body. Lift with your legs. Keep the load close to your body.

Recommended Action

- Plan your move. Contact your FPOC (Facility Point of Contact) for assistance.
- Do not move heavy items yourself. Professionals have the proper equipment to move furniture and heavy office items quickly and safely.
- Use small boxes whenever possible. Do not overstuff them.
- Take several small trips and stretch breaks.
- Use a step stool for over-shoulder reaching.

Know your limitations and follow correct lifting techniques.

SLY the Safety Fox



A monthly supplement provided to employees as part of Survey Action Team Initiatives.



PHOTO COURTESY OF LLESA

Whether it's providing free bike tuneups or finding a set of wheels for a needy student, the Cycletrons are geared up for community service.

Cycletrons peddle service

By Art Wong

As the Chair for the Cycletron Networking Group, I receive many calls from people with bike related issues. Most of the time, the caller is asking for information about the lunchtime rides, advice on bike repairs or referrals to local bike shops — and once in awhile, there is a call or two regarding the curious inability of normally reasonable adults who drive cars to

share the road in a safe and sane way with environment-friendly bicyclists.

One day, a very different plea for help came to me via an e-mail from Jacky Poulsen, the spouse of long-time Cycletron Peter Poulsen. Jacky works with the Valley Community Health Center and is involved in a mentoring program for teens in need. Jacky needed a bike for one of her “mentees.” Here is the story as

BIKE, See WORK LIFE INSERT page 4

Support group offers parents a place to connect

After a one-year hiatus, the popular noon-time “Balancing Family and Work Life” parenting class is returning to the Lab on Tuesday, Oct. 8.

The class is starting up again as a result of recommendations from the Work/Life Survey Implementation Team and as part of management’s commitment to improving employee services.

The lunch-time class will be held the second and fourth Tuesday of each month through July. The class, which started more than 10 years ago at the Lab, is equally attended by moms and dads and is open to anyone who works onsite at no cost to the participant

Class discussion focuses on effective parenting techniques for infants to 12-year-olds — but parents of teenagers are welcome — and is facilitated by local parenting educator Ruth Gasten.

“If people are interested in parenting issues, they come,” Gasten said, adding that one of the biggest benefits of parenting classes is talking to other parents. “If people can talk to each other and connect, they realize what their children are doing is normal. That’s the most important benefit to

CLASS, See WORK LIFE INSERT page 4



Ruth Gasten

Employees answer the call to provide gifts of life

For the second year in a row, LLESA is sponsoring a “blended blood drive” this week, which means donors can give blood and sign up to be in the National Bone Marrow Registry at the same time.

The blended drive will be held today, from 10 a.m. to 4:30 p.m. and Wednesday through Friday, 7:30 a.m. to 2 p.m. in Bldg. 415, first floor. Walk ins are welcome after the first hour of the drive each day.



Employees may participate in the blood drive, the bone marrow drive or both. The bone marrow test is a simple blood draw and can be done at the same time as the blood donation.

The American Red Cross has worked with the Rotary to cover the cost for the blood marrow registry, said Marie Teuscher of LLESA.


Last year, 120 employees signed up for the bone marrow registry, she said.

“After our first experience, we thought it would be a wonderful service to the community in general to give employees the opportunity to make an impact,” Teuscher said.

The Lab is the largest corporate blood donor in Northern California, with employees donating more than 1,200 units of blood last year.

To learn more about becoming a marrow donor, see <http://www.marrow.org>. For more information, contact the LLESA office at 2-9402.

AFTER HOU

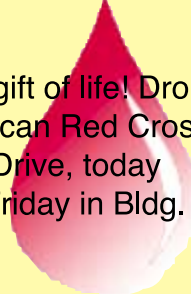


This calendar is brought to you as part of a Survey Action Team initiative.

MONDAY
2 September




TUESDAY
3 September




Give the gift of life! Drop by the American Red Cross Blended Drive, today through Friday in Bldg. 415.

WEDNESDAY
4 September



Put your stamp on it! LLESA Rubber Stamp Networking Group. 571, room 1301.

It's Monday. Call it a new beginning when you attend one of those classes you signed up for: New Beginnings (beginning) or Power Yoga. They both start today in Bldg. 415.



MONDAY
9 September



Plus, LLESA offers on-going aerobic and body pump classes. Drop by Bldg. 415 and aerobically pump it up.


TUESDAY
10 September

More LLESA classes begin today: New Beginnings (intermediate), Hip Hop Funk and Water Aerobics. Salsa and East Coast Swing classes start tomorrow in Bldg. 415.

WEDNESDAY
11 September

Remember

Take time to attend special memorial at the Bldg. 123 auditorium.



Lawrence Livermore National Laboratory

Making History Making a Difference

1952-2002

MONDAY
16 September

Celebrate the Lab's 50th Anniversary with a very personal look back at 1952. You're invited to a panel discussion, which will include 10 people who were here when the Lab opened its doors in 1952. Noon, Bldg. 123 auditorium.

A picture is worth a thousand words, as you will find out when Peter Kuran, author of five documentaries on nuclear testing, presents "Nuclear Testing: A History Told in Images," at 7 p.m. at Livermore High School. Everyone is welcome to this Community Lecture Series.



TUESDAY
17 September

The Lab's specialty is science, and that will become quite clear when you attend this year's Science Day. Read NewsOnLine for event listings.

WEDNESDAY
18 September

Roll out the welcome mat for local visitors arriving on Science Day, as part of the welcome celebration.

Take a space break and see astronaut John Glenn in person. This once-in-a-lifetime chance is available at the Bldg. 123 auditorium. All LLESA employees are invited.

SUNDAY
22 September

Family Open House continues today.

Send us your calendar items

Would your employee networking group or LLESA activity group like to publish its events in this calendar? This section will run the last Friday of the month. Items are due by the 20th of each month. If you are interested, write to us at newsline@llnl.gov.



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September 2002

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THURSDAY
12 September

The Vintage Vehicle Show pulls into the Bldg. 111 Z-1 parking lot today, from 11 a.m. to 1 p.m.

DAY
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mat. We have
for Community
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and listen to
n reflect on his
a lifetime
at 4 p.m. in the
. All
d.

THURSDAY
19 September

The VIP's are coming. . .
Today is Special Guest Day in honor of the Lab's 50th Anniversary celebration. . .

Celebrating
50 years
of science excellence

FRIDAY
20 September

We'll be cutting the Lab's anniversary cake during our Employee Celebration, taking place from 11:30 a.m. to 1:30 p.m. at all four cafeterias (the Lab and Site 300 included). There will be free cake and ice cream for all, and if you drop by the West Cafe, you can have your cake and listen to DJ music too.

FRIDAY
27 September

It's never too late to start saving for that rainy day. Attend today's 403(b) meeting at 12:15 p.m. in Bldg. 571, room 2301.

SATURDAY
21 September

Have a blast today and tomorrow as the Lab opens its doors for the Family Open House.

Make sure to pick up a copy of Newsline at the gates for maps, tours and more.



The first Family Day



Committee gets OK to seek solutions for childcare

The Child Care Review Committee has received approval to begin investigating short- and long-term solutions for expanding the Lab's childcare services.

Through the Employee Survey conducted last year, concerns were raised over the limited availability of childcare options and services.

In response, and as a follow-up to the Work Life SAT Team recommendations, a review committee began



meeting in June to study expansion options, explore related DOE contract and logistic issues, and improve communication regarding existing Lab child-care services.

Options being explored include replicating the current Children's Center at a second location to accommodate existing and future employee childcare needs, said Dora Nakafuji, a member of the review committee. There is a

particular need for additional infant care, she added.

Because any expansion effort will be a long-term option, the committee is looking to better coordinate with the Human Resources program, Health Services, the Children's Center and LLESA to provide more immediate assistance and referral services to employees looking for childcare.

The committee has recommended several initial action items to address near term childcare deficiencies at the Laboratory and is working on longer term expansion options to better meet employees' childcare needs.

BIKE

Continued from Work Life Insert, page 1

Jacky tells it...

"The Valley Community Health Center has a mentoring program that matches adult mentors with teens in the Livermore and Pleasanton community who need a little extra support. That can be for any number of reasons — sometimes it is academic, or in many cases the kids have some emotional problems. And often they have only one parent in their lives.

"I have been matched with my 'mentee' for more than 1 1/2 years. She is 15 years old and lives with her father, sister, brother and step-brother in a single hotel room. They had been renting a small house in Livermore but had to leave there almost a year ago. The father works but struggles to survive and take care of the kids. Mom lives elsewhere and isn't a part of the kids' daily life. My mentee and I get together generally once a week. Usually we do something 'fun' because she doesn't have a lot of fun in her life. I also try to introduce her to new experiences, as she has a very narrow view of the world. When living in Livermore she took a school bus to school each day. But now she needs to make her own way to school. I was able to give her a bicycle last year, which has been her sole means of getting to school. On the last day of

“

It is this ability to think and act as a community that makes this Laboratory such a unique and wonderful place to work

—Art Wong

”

school in June, she had an accident where she ran into a car that was pulling out of a parking lot. Peter checked the bike and it wasn't repairable. She had one week before summer school began.

That is when we put out a plea to the cyclists, to see if anyone could possibly either donate a bike or sell us one inexpensively so we could give it to her. The response was absolutely overwhelming! We got about 10 to 12 responses, ranging from people who didn't have an extra bike but were offering to help defray the cost of buying one, to people who had bikes they could donate, and others who provided tips on where we might be able to get a bike. The day after sending out the email, Eric Carlberg brought a bike to Peter's office. It was

perfect — and my mentee absolutely loves it! She even informed me recently that she gets to school about 3 to 4 minutes faster on this bike than on her previous one! This was also an excellent lesson in appreciation. Even though she never met Eric, we went to a store, she selected a thank you card, and wrote him some very nice words of appreciation....a unique experience for her!"

This is another example of the spirit and special quality that characterizes the people who work at the Lab. It is this ability to think and act as a community that makes this Laboratory such a unique and wonderful place to work. Whether it is coming together to solve major problems related to national security or finding a way to reach out to help a teenager find a way to school, the employees of this Lab know how to get things done. It makes me proud to be an LLNL employee (and Cycletron too!).

Enabling employees to contribute to the community is an important part of the Laboratory's worklife balance strategy. Whether it is through major institutional efforts such as the HOME campaign and the blood drives, employee-generated efforts such as Daffodil Days and the toys-for-tots program during the holidays or through individual efforts as described in this article, the Lab and its employees are working to make a difference.

CLASS

Continued from Work Life Insert, page 1

come out of the classes."

As a parenting educator, Gasten reads the latest parenting books and attends workshops and lectures.

"My job is to keep up in the field and let you parents know about it," she said.

Gasten has been teaching parenting classes for 35 years. She is co-author of the book "Helping Children to Like Themselves" and teaches parenting educa-

tion and self-esteem enhancement for schools, businesses and government agencies.

Meetings include both an open discussion of issues/problems currently affecting parents as well as information presented by Gasten on a particular topic chosen by the class participants.

Each class stands on its own, so missing one does not preclude a parent (or even expectant parent) from attending future meetings.

Look for a *NewsOnline* announcement shortly before the start of class with the schedule and class location.

For more information about the class, as well as notes from past meetings, visit the Parenting Class Web site at http://www-r.llnl.gov/OCM/parent/parenting_home.html

Additional parenting resources are provided on the Web-based Work/Life Guide at http://eodd-server.llnl.gov/Work_life_guide/index.html.

AROUND THE LAB



Speaker to discuss role of atomic energy during Truman presidency

The atomic energy challenges of the Truman administration will be discussed when Raymond Geselbracht presents “Harry S. Truman and the Paradox of Atomic Energy,” as part of the the 50th anniversary celebration.

The lecture, which includes a video and slide show, takes place at 3:30 p.m. Monday, Sept. 16, in the Bldg. 123 auditorium, and is sponsored by the Laboratory Archives and Research Center. All employees are invited.

Geselbracht is the education and outreach coordinator of the Truman Library, part of the National Archives and Records Administration. He will discuss the holdings and exhibits of the library relating to atomic energy and reflect on the conflicted character of



Harry S. Truman (center) with the newly named members of the Atomic Energy Commission, Oct. 28, 1946.

atomic energy during Truman’s presidency — on how atomic energy saved American lives and threatened the well being of the national conscience; on how it increased both the nation’s strength and its insecurity; and on how it challenged Truman to bend a great destructive force into a tool for peace and freedom.

Truman was president at the time LLNL was founded, and his decisions were vital to the fledgling laboratory. Bruce Tarter, associate director at large, will provide introductory remarks setting the context.

Geselbracht earned his doctorate in history from UC Santa Barbara. He has worked at the Truman Library since 1988 and has done extensive research in the library’s archival collections. He will base his remarks on information in Truman’s papers.

Lab at a glance

E.O. Lawrence, cyclotron inventor and Nobel Prize winner, played a crucial role in creating Livermore Laboratory.

As usual, the master of delegating authority worked through a proxy, in this instance his former student and current colleague Herb York.

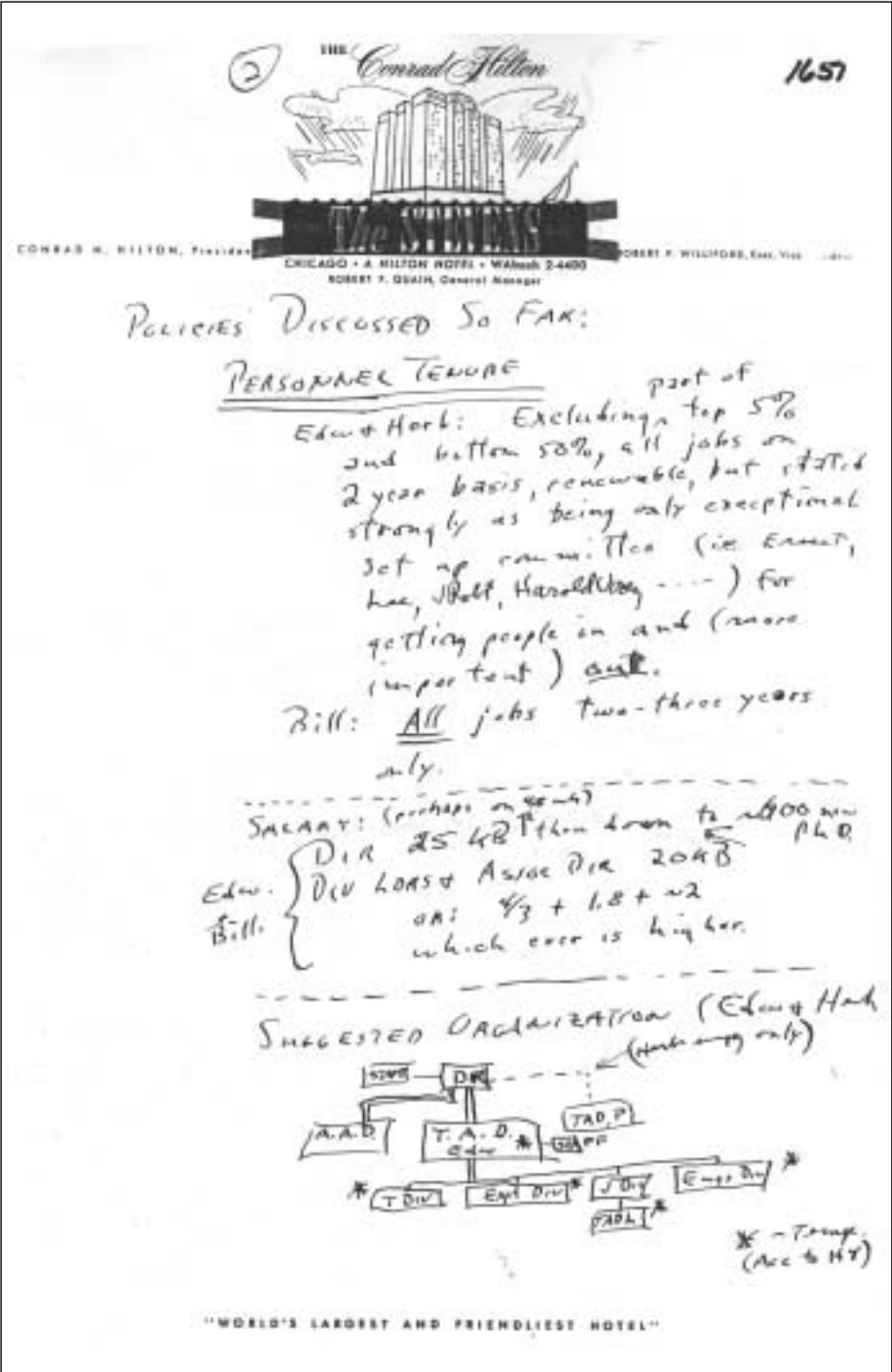
In mid-January 1952, York was in Chicago, halfway through an extended trip around the country at

Lawrence’s behest to canvass views about the desirability of a second weapons research lab.

While staying at the Conrad Hilton in downtown Chicago, York jotted down his ideas about structure, personnel, and prospective programs for the new lab.

Following Lawrence’s example, York intended to rely on a matrix organization, drawing on a relatively small circle of colleagues and personal acquaintances. Like Lawrence, York preferred to start small and grow. He pursued just such a plan with great success after he became the new Lab’s first director later that year.

These notes also show York’s thoughts about salary, structure and tenure, which he expected to last only two to three years.



White Form necessary for Family Day guests

Employees planning to bring family or friends to Family Open House, Sept. 21–22, must fill out a special “white form” to bring on the day of attendance.

Any employee who holds a Q- or L-cleared badge valid at LLNL may escort up to 10 guests, including family, friends or P-cleared employees and their family members and guests, contractor employees, and foreign nationals each day of Family Open House (foreign nationals require a blue card that was due in August).

For each visit a white form must be used. All guests listed on this form must be U.S. citizens. To enter the Laboratory, you must show your completed white form along with your badge.

To obtain a copy of the white form, see the Website at http://www-r.llnl.gov/50th_anniversary/openhouse.htm

If you are planning to attend on Saturday and Sunday, you must have a completed white form with you each day. You must accompany your guests at all times.

Cameras, cell phones, recording devices, pets, private vehicles, and bicycles cannot be brought inside Laboratory gates.

Only the West Main Gate (between Bldgs. 111 and 123) and the pedestrian gate by the South Cafeteria (post 219) will be open during Family Open House. Shuttles will operate within the Laboratory each day.

Because of the Laboratory’s increased level of security, large items such as backpacks and over-size bags will be searched upon entry. To facilitate entry to the Laboratory, hosts are strongly advised to minimize the number of such items carried by their party.

Did you know?

It is illegal to operate a cellular phone in Q-cleared areas.



AUTOMOBILES

1992 - Dodge Shadow,4 cyl,auto,air,2 dr hatchback,mechanically sound,78K miles,\$1500/obo, 925-803-9547

1999 - BMW 323i, Black, Fully Loaded, Alloy Wheels, Tinted Windows, Auto, 61K Miles, Clean Condition, Asking \$21,000. 209-834-1589

1995 - Saturn, SL-1 Great commuting car 5-speed (manual) price \$3,000.00 209-824-2618

1995 - Mitsubishi Expo, station wagon, 7 passengers, 75 K, \$5,500, AT, AC, PS, PB, PW, PDL, Tilt/Cruise, Roof rack, P. mirror, CD changer, premium sound. 510-487-6547

1993 - Mercury Sable GS Green Wagon. Auto/ac/ABS/power windows&doors. Original owner. Well maintained & clean, 58K miles. \$4500. 925-373-1827

1997 - Honda Civic EX VTec. 5-speed, white, 2-door coupe, 76k miles, A/c, moonroof. Excellent condition. Asking \$8,750. 925-373-8416

2000 - Honda Civic EX, 2 dr coup, AT, Sunroof, PW, PL, PS, CD/AM/FM, Silver, Tinted windows, custom rims and tires, Excellent condition, \$13,500 209-832-2862

1995 - GMC Safari Van,Extended,8 Pass,AWD,Great for Skiing!Loaded,SLT trim, new tires,brakes,tuneup,123k miles,high book \$10,600,\$6900/B.O. 209-599-4644

2000 - Mercedes ML320, Leather Interior, Sunroof, Lux. Pkg. Perfect Condition, 14k mi. \$32,000.00. 209-586-7924

1993 - Bonneville SSE. New: tires; calipers-rotors; alternator; A/C. All power options plus integrated phone, CD, premium wheels. Pristine condition. 916-624-4395

1988 - Honda Accord, 4 door, auto, cd, new brakes & tires, A/C, runs well, great for student, 154k miles, \$1,000 OBO 925-443-4170

1996 - Honda Accord V6, Leather, new tires, Pwr Moonroof, 100 watt CD/MP3 player, new speakers, Excellent Condition, All Services/Records \$9,200 OBO 925-449-4635

1986 - Jeep cherokee pioneer,v-6,5spd,4wd,clean int,michelin A/T tires,am/fm cass,good running,184,000 hyw mi. \$1,600. 925-458-3802

1996 - Chevy Astro 103,000 miles, good condition, tow hitch, rebuilt rear end \$8,200 209-836-5997

2000 - Ford Expedition Black, 4WD,AT,8CYL,leather fully loaded, Tow Package. 50,000 miles. 27,000 OBO, Price includes tranferable 100,000 mile warranty. 925-449-8545

1995 - Ford Thunderbird LX, A no excuses, original owner car with 71k miles. Loaded with V8, auto, air, full power, etc. Looks and drives great. \$6900 OBO. 925-606-7053

1990 - Chevrolet Lumina good condition 209-239-7811

1992 - Buick Park Avenue, Loaded, in Excellent Condition. \$3,500/Best Offer. Please call 925-447-2638 or 925-634-1932

CLASSIFIED ADS

1990 - White Acura legend LS 4 dr. One owner, all maintenance, excellent condition, 124 kmi. \$6500 OBO. 925-846-3887

AUTOMOBILE ACCESSORIES

Behind-the-seat storage unit for full size pickup. Adjustable shelves and one locking compartment. \$25. 925-455-8609

Steel wheels off 1998 Chevrolet 4x4, 16 inch 6 lug. \$50 925-516-8339

Trailer Tire \$75. Size: F78-14ST. White spoke rim. Almost new - only 60 milles on tire. Can bring to Lab for your view. 209-599-7047

For Honda/Acura with 4 lug pattern,(4) 18 inch chrome rims w/225-40-18 tires. \$1000/obo call 209 518 2296/ 2-7222 ask for Zavala 209-518-2296

Mazda MPV Bug Shield, \$20 925-455-1730

Tires and Rims (Brand New! only 700 miles) off of a 2002 GMC Yukon. 265/70/16 Firestone tires with GMC rims. \$600.00/obo 925-784-8160

BICYCLES

Childrens bike, 16 inch wheels includes training wheels, excellent condition, \$50 OBO 925-606-0755

BOATS

1997 Evinrude outboard, 6 hp, low hours, w/tank and controls. Asking \$550.00 925-455-8108

12ft Aluminium row boat from Sears, \$250 925-294-8670

1975 Gulfstream, 19 ft, I/O 175 HP. Fishing and playing amenities. Runs great! A good family boat. \$2.5K 209-544-9208

ELECTRONIC EQUIPMENT

Digital camera. Kodak DC3400 2.1 megapixel, USB, 32MB compact flash card, NiMH batteries and charger. Excellent image quality. \$190. 925-443-2510

Stereo rack w/ smoked glass door and storage for CDss, DVDs, VHS tapes, excellent condition, \$50 OBO 925-606-0755

Original Nintendo Entertainment System, includes 12 games. \$35. Mac LC computer, includes CPU, monitor, keyboard, mouse, and software. \$45. 925-846-3653

GIVEAWAY

Old radios -- consoles with phonographs, wood cabinets. RCA (1948), Hoffman (1949), and Pilot (1963). 925-447-9365

1984 Little Litton microwave. 925-455-5672

Blue La-Z-Boy recliner in decent condition. Computer cart 26.5 inches wide plus 11 inch side extension, 15.5 inches deep. You haul them away. 925-443-5138

10-speed Kona bicycle. Good Lab bike. Needs new front tire. 209-836-3041

HOUSEHOLD

25 inch console TV - great condition. \$50 OBO 925-606-0755

Corning clear dishes. Set

includes 8 dinner plates, 8 dessert plates, and 8 cups and saucers. Never used. \$25 OBO. 925-846-3653

GARAGE SALE - 9/2, 9am-3pm, 4502 Maureen Circle, Liv. - Lots of infant/child stuff (girl mostly). 925-455-0935

Afghan wool rug. Dusty blue and mauve Persian-style. Must see to appreciate. \$1200. 925-443-1547

Little Tykes Cozy Cottage Play House, \$100. Little people farm & extra like new, \$20, LP bus & extras, \$10. 925-294-9022

Two 24in. light oak chair back bar stools, good conition, Orig. paid \$90 each, sell \$35 each 209-832-2862

Glass-top rattan table and 4 chairs, beautiful, classy, interesting dark and light pattern, excellent condition - \$250.00 - 925-443-5324

Kids playouse: Little Tykes Country Cottage. Yellow with blue roof. Always indoors, like new. \$100. 925-426-0721

Oak Entertainment center. Dimensions 49 3/4W x 22 3/4D x 48T. Adjustable shelves and 2 cabinets on the bottom. \$200 OBO 925-443-5028

Just brought new Amana Refrig. but have to move. Can not take it. Must sell. New 650.00. Sacrifice at 600.00. 510-537-7222

Solid oak TV cabinet with four drawers for VCR tapes. Also has glass display with light. \$200 925-449-4202

Buffet/Sideboard, Mahogany, 6ft,drawers/shelves, matches table & chairs sold a couple of years ago. 300/OBO 925-454-0943

Roll top desk, Winners only, solid oak, 48x29x46. excellent condition. paid \$1200 sell for \$700 925-516-8339

Pellet Stove. Works great. Burns clean and efficient.\$500.00 OBO 209-832-2865

Loveseat, two Lazyboy chairs - blue upholstery, each \$100. Call evenings. 925-447-9787

King size futon & frame \$150. Couch (2 piece)sectional \$150. Baby Crib excellent condition (used 2 years) \$125. All items OBO. 925-961-1275

For sale: brown plaid sofa bed \$80, Kenmore refrigerator \$80, GE microwave oven \$50, all exc. condition. 925-455-1073

Oak Entertainment Center \$100.00; Oak Coffee table \$50.00. 925-455-9855

Lazyboy power lift recliner (seat rises and tilts forward for easy egress). Perfect condition, \$350 (\$950 new). 925-736-1463

LOST & FOUND

Mountain Bike missing from outside B132N. Black Agressor with front shocks. Please return to B132N or call me. 925-449-8783

Lost: Gold braided wedding ring. Lost near B482. Reward. Sentimental value. 925-846-5722

MISCELLANEOUS

Dusk-to-dawn yard/security light, industrial grade mercury vapor, illuminates over 10,000 sq feet. Includes mounting arm and bracket. \$25 925-455-8609

Mah Jong set. Vintage 1950s, catalin jumbo ivory tile set, dark red alligator case, Cardinal brand. Never used, absolutely perfect condition. \$250. 925-846-3653

Desk or table, small (18x42) with 2 drawers, solid oak, excellent condition \$45.00; small dark wood chair \$15.00 925-443-5324

Garage/yard sale, multi-family, Madison Ave. between Drake and Emory, 7:30a.m.-4:00p.m.Saturday August 31 and Sunday September 1. 925-447-4841

Leather jacket, mens. Brand new, never worn, size medium, black. \$25.00 925-516-9510

Drum pedal. Tama Iron Cobra Jr. like new! \$55. Snare drum. Slingerland,7x12,copper shell. like new! \$125. 925-373-6255

Mexican Palm Trees 3ft, have two for \$20 925-447-6192

Oak pool table/light/accessories, original cost \$3,300.00. Selling for \$1,750.00. 408-251-5169 or 408-945-9901

Motorcylce Helmet - Vector, Full-face, Snell and DOT certified, Black, Brand New. \$250[shelf price]... asking \$100. 925-778-4641

Order TUPPERWARE anytime: 1 piece or lots, also Earn 50% Profit for fundraisers. 03 Entertainment books for East Bay \$30. 925-890-8857

MOTORCYCLES

1976 - Honda TL250 Trials bike. Starts easily and runs very well, has current off road registration. \$850.00 OBO. 510-278-2629

MUSIC INSTRUMENTS

1928 Hardman Baby Grand Piano, Medium brown wood, Appraised at \$2,800, Asking price \$1,850 - need to sell by Sep. 1. Call 925-426-8050

Double bass drum pedal. Tama Iron Cobra powerglide series. like new!!! \$225 Hi hat stand.Same series. mint! \$125 925-373-6255

Yamaha Alto Saxaphone with case. As new condition. Perfect for student, \$1200. 916-391-7932

PETS & SUPPLIES

FREE:Queensland Heeler/Border Collie, male, neutered,5yr, all shots. 925-371-7443

1/2 Pixie-bob kittens, two left, long ear tips and good coloring. Raised with children and handled daily. \$150-\$175 or \$200 for both. First shots. 209-835-4281

Good looking stout Quarter Horse 19yo grey gldg needs a slightly experienced rider. Well trained, gentle, does everything. \$1000 firm. 925-443-1547

Puppies~ Jack Russells, ready to go. Had 1st shots, \$450.00. Jodi 925-381-2359

My sons sweet hampster needs a larger cage. Butterball is living in a 10-gal aquarium but he needs more room to roam. 925-426-9886

American pit-bull approx 5yrs old,tan with black face,white tip paws,neutered,obedient,playful,smart animal,looking for a good home. 925-458-3802

Parthenogenic geckos. All

female, many gravid. http://home.t-online.de/home/0648491061-0001/en/linien_en.html 925-516-2446

AKC Registered German Shepard pups, excellent pedigree. \$800.00 209-402-6245

Wonderful 5YO cat needs new home! Black, sweet personality. Fully declawed. Adoption through humane society. 925-449-1476

10-gallon aquarium w/fluorescent lamp and oak stand; \$25 OBO. 925-447-2586

Brand new Dog CRATE/KENNEL. New one costs \$150, will sell for \$75 or best offer. 925-580-4030

RECREATION EQUIPMENT

Treadmill, StarTrac 901. Like new, premium treadmill w/heartrate monitor. Paid \$2400, sacrifice \$1400 (LLNL only). Listed elsewhere for \$1500. 209-830-6212

Snowboard Lamar 163 cm. with bindings. \$150.00. 209-599-4644

Kayak Perception America model with rudder control. 13ft, 60 lbs, red color. 2 years old used 6 times. Excl Cond \$750 925-256-9411

Swing Set Frame w/ 2 swings, glider, double bench seat swing. \$20 Ask for Bill 510-490-0834

Nordictrack ski exerciser, excellent condition. \$75/BO 925-449-5667

RIDESHARING

Express your commute, call 2-RIDE for more information or visit http://www-r.lnl.gov/tsmp.

Eastern Contra Costa - Luxury commuter bus. Pick-up in Antioch, Oakley, Brentwood, and Byron. 925-754-6622, ext. 2-7474

Manteca - Great carpool! Work hours 7 am-4 pm. Pick up/drop off at house/office. Drive 1 day/wk + 1 Friday/month. Ask for Carolyn 209-823-8309, ext. 2-8669

Modesto - 14 Passenger Van - Individual Captain chairs & reading lights. 8 - 4:30 schedule. \$112/mo or share driving and save more. 209-521-9047, ext. 2-5177

Concord - Drive 1 day/wk + 1 day/mo, any day. Relax the rest of the time! Save money & stress. Good carpool! 925-672-6677, ext. 3-2153

Walnut Creek - Concord, Pleasant Hill new luxury van-pool has openings. Lab hours 8:00 to 4:45. 925-945-4926, ext. 2-2805

SERVICES

TUTORING in high school and college chemistry and math. 925-443-2095

Wedding Photography: over 20 years exp. Medium format cameras used. You keep negatives. Reasonable. 925-829-1474

Responsible, pet-loving lab employee available for pet sitting in your home. Livermore area only please. Call Cindy for pricing and availability. 925-456-5345

FIREWOOD: Resereve your firewood NOW; supply is limited; will deliver if necessary 925-634-2307

DIRECTOR

Continued from page 1

applied science that in turn lead to new technologies that benefit society. Our Lab still embraces this philosophy today – and in fact encourages it. I believe it is just one of the many reasons we are successful.

As we embark upon our next 50 years, we must continue to remain flexible and fast on our feet. A striking example emerged early in our Laboratory’s history, when the Department of Defense challenged us to miniaturize nuclear weapons. In a short time, we did the seemingly impossible and produced a warhead for the Polaris missile, the first nuclear weapon small enough to be launched from a submarine.

Today, we are responding to new and different threats. Chemical agents, bacteria, viruses, biological toxins and genetically altered organisms could wreak havoc on urban populations, destroy livestock and wipe out crops. These agents are often difficult to detect and to identify quickly and reliably. Yet, early detection and identification are crucial for minimizing their potentially catastrophic human and economic cost.

Fortunately, long before the anthrax attacks of last fall, our Laboratory was already a leader in developing innovative methods and technologies for early detection of chemical and biological terrorism threats. Since the attack, the Laboratory has intensified its efforts in this area so vital to our national security.

The technological accomplishments of our multidisciplinary teaming have often yielded exciting capabilities with multiple applications to other fields. Materials developed in the weapons program have found use in artificial hip joints designed at Livermore. X-ray tomography developed to examine the innards of nuclear weapons has also been used to reveal the bone weakening of osteoporosis. Quantum simulations, a physics tool that can describe the fundamental interactions of weapons materials, are exposing the inner workings of biochemical processes important to human health. Geophysics, analytical chemists and forensic scientists, collaborating on shock experiments using one of Livermore’s gas guns, are exploring the origins of life on Earth as well as the effects of missile intercept on chemical weapons.

All of these examples show how basic science benefits national security and the world at large. This is a Laboratory that will continue to make things happen. The next 50 years will undoubtedly be a period of significant changes — as have the past 50 years. I am confident that we will continue to respond as we always have — with innovation, professionalism and dedication when called upon to meet national needs.

In two weeks we will take time to celebrate our achievements. Beginning Sept. 16, we will feature a week of celebratory events, inviting special guests throughout the nation and our communities to see our Laboratory and learn more about the exciting work that goes on here. We also will

take time to salute our workforce, the heart and soul of this Laboratory, and invite our family and friends to visit during a special open house.

As we honor our past, embrace our current missions and help build the future, I invite all of you to join in the celebration. It’s an exciting time at Lawrence Livermore National Lab. And I have no doubt that the next 50 years we will continue to make history and make a difference.

SCIENCE

Continued from page 1

to the scientific thrust areas of the Lab, a better understanding of where the Lab started and how far it has come and what our major initiatives are,” said Rokaya Al-Ayat, director of the Laboratory Science and Technology Office and the key organizer of Science Day.” This is a celebration of science.”

All Laboratory employees and retirees are invited to attend the daylong event. More than 400 invitations have gone out to scientists and administrators from other national laboratories, universities, the Department of Energy, Lab advisory panels and other government agencies.

In addition to the series of presentations in the Bldg. 123 auditorium that runs from 8 a.m. to 5 p.m., a poster expo with principal investigators on hand and a free lunch, will run from 11 a.m. to 2 p.m. in the pavilion set up adjacent to Bldg. 123.

This year’s Science Day presentations will differ from last year’s emphasis on supercomputing by highlighting the past, present, and future of four different topics: biological research, climate modeling, astrophysics and fusion. Talks will provide a historical perspective, give an overview of current research and a glimpse of future directions.

Director Mike Anastasio will introduce the day’s agenda, along with James Decker of the DOE Office of Science, Maureen McCarthy of the National Nuclear Security Administration and John McTague from the University of California.

The Poster Expo, at the 50th Anniversary Celebration Pavilion in the West Cafeteria parking lot, presents an opportunity for one-on-one interactions with more than 60 scientists and engineers from across the Laboratory. Karen Kline of TID, who is helping Al-Ayat organize the event, said the poster expo will include posters, video displays, demonstrations of hardware and instrumentation that showcase their recent work, and handouts.

“The Lab is proud to showcase its outstanding scientific and technological accomplishments and point the way to future achievements,” Al-Ayat said. “We plan to focus on the past, present and future.”

During the biological research session, chaired by BBRP’s acting Associate Director Bert Weinstein, former and current Lab employees will discuss the early history of biological research and cancer genetics, and present current and future directions in DNA sequencing and biodetection.

Need safeguards and security information?

Need clarification on your security role and responsibilities?

Need security advice?

CLICK INTO THIS NEW CENTRALIZED RESOURCE TO HELP YOU WORK SECURELY

www-r.llnl.gov/securityprogram



Bill Dannevik of Energy and Environment will host the climate modeling session, which will include presentations on civilization’s impact on global warming, atmospheric modeling and high-resolution global modeling.

During the astrophysics presentations, former Lab Director Bruce Tarter will discuss the breakthroughs in astrophysics during the 1970s and ‘80s while Lab retiree Stirling Colgate will discuss the early days of astrophysics modeling. Presentations on adaptive optics and the Djehuty project also will take place.

In the fusion session chaired by NIF Associate Director George Miller, former Lab Director John Nuckolls will present a historical perspective of fusion research. Also, presentations on high-energy density physics and its applications to astrophysics, inertial fusion, fusion and NIF will take place during the fusion session.

For more information on Science Day, go to <http://ScienceDay.llnl.gov> or contact Mary Callesen (3-2810) in the Laboratory Science and Technology Office.

SHARED HOUSING

Livermore - Wanted: parttime bedroom for commuter; four days per week; quiet neighborhood (day sleeper) near Lab. No kitchen/laundry/bath. 916-624-4395

Livermore - Furnished room for rent. Good neighborhood. \$460/mo. Utilities included. Smoker okay. 925-447-6218

TRUCKS & TRAILERS

1993 Flair 30-foot motorhome; fully loaded. Must see to appreciate. Low miles, \$25K, insurance replacement value \$52K. 209-836-0249

2000 - Dakota SLT,4X4,Club,V8, Tow,CD,AT,PS,PW, Pseat,White/ 2tone,BedL,40K Wrnty,KBB=21K Sell=18K 209-814-2277

1979 - Chevy 1/2 ton pickup

350 motor and Transmission has 500 miles prof rebuilt. new tires on american rims.front end damage \$600 good parts truck 925-447-0558

1994 - Chevy Silverado 1/2 Ton 4WD, Extended Cab, New Tires, Flowmaster Exhaust, Power Rear Slider, Chromed Rims, Custom Seats, 120K miles, \$9,000 OBO 209-833-3785

1966 - GMC 66 Longbed truck PB, PS, Bucket seats, 50K org. miles, complete Not running. \$1300. O.B.O. 925-373-1089

1987 - Chevy K5 Blazer, 4WD, 350, automatic,AM/FM/CD, runs, straight body. \$850 OBO. 925-679-0783

1999 - Dodge Ram 4WD, Quad Cab. Fully Loaded plus Hard Tonneau Cover, Tow Package, Dual Exhaust. Extra Warranty, Must See. \$21,500. 209-832-7204

1991 - Ford F-150 XL,Good truck,recently painted, tires A/T

with rims,flow masters,carpet kit,tinted RSW,tinted shell,138,000mi,v-8,AT,AC,PS \$3,800 or bo. 925-458-3802

VACATION RENTALS

SOUTH LAKE TAHOE - 3 Bedroom 2 bath Chalet, newly remodeled,nicely furnished, all amenities,Park w/Lake,playground, etc. Great for Families! OFFSEASON RATES NOW! 209-599-4644

Maui, HI - Kahana Reef ocean-front 1BR/1BA condominium. Beautiful two-island view, oceanside pool, and BBQs. Low LLNL rates for year-round reservations. 925-449-0761

MAUI-Kiheie 1,2&3 bedroom condos. On beach, large pool,tennis courts,putting green,near golf course. Beautiful grounds, washer/dryer in units. 925-846-8405

South Lake Tahoe - Large home in quiet wooded area, close to hiking/biking trails. Gas bar-

beque, pool/foosball tables newer furniture. 925-484-3162

Soda Springs/Donner Summit, Classic A frame, 2BR/1BA+Loft, sleeps 8, close to biking, hiking, everything. \$200 wknd,\$500/week call for availability 209-836-3481

WANTED

WANTED: Full size student trumpet in good/very good condition. 925-443-2954

wanted: Honda Hawk GT, NT650, have Yamaha YSR, or Norton Commando for possible partial trade. 209-599-7199

in search of a 18-21 speed mountain bike. 18 inch frame for biking riding at UC Davis. good condition preferable. 925-736-8262

WANTED: Kawasaki Triple Parts/Literature for H1 and H2...maybe you have a bike that has just been pushed aside. Please leave a message.

208-483-2293

My housekeeper anounced her retirement and now I am seeking another. Tracy area, 5 to 6 hours every other week, references preferred. 209-832-3435

Responsible person to check on my two cats periodically during September. References desired. 925-447-4725

I am looking for a used Math Book for next year school year. SAXON 8/7 - J. Wagner 925-513-1919

Wanted: housecleaning in Livermore home, every other Saturday morning. References needed. 925-443-2243

foosball table wanted; newer or older, 1 goalie or 3 goalie, needs parts ok, condition does not matter. 925-634-0423

Wanted: 2 inch wide Belt Grinder (Square Wheel, Burr King, Etc.), ask for Paul. 925-455-1730

Annual Salary Review Process gets under way

The annual Salary Review Process is now under way. The review process is scheduled to run through noon, Sept. 30, when all salary actions must be finalized. Biweekly and monthly paid employees (except those with salaries above the UC Regents level) will see changes reflected in the paychecks they receive on Nov. 1. All increases will be effective Oct. 1.

As in prior years, the Compensation Increase Plan (CIP) proposal submitted to the University of California and the Department of Energy was based on a comparison of the Laboratory’s average salaries against market averages for similar jobs as reported in a number of market surveys. The accompanying article provides an overview of that process.

Depending on the structure, the FY03 Allocations are divided into two or three categories: merits, adjustments and promotions. The merit allocation should be used for “pure merit” increases. The adjustment allocation, ranging from zero to 0.9 percent, may be used to address other salary actions such as internal and external equity adjustments, structure/range adjustments, or retention pay for critical skills. An additional half percent has been allocated in the merit structures for increases resulting from promotions. The

Merit Allocations or Step Structure Adjustments by Series			
Exempt — monthly paid	Structure	Allocation	Structure adjustment
100 Series	Administrative	3.5	2.8
200 Series	Scientists and engineers	4.15	N/A
300 Series	Technical	6.0	3.0
051 Series	Firefighter	9.0	4.0
052, 055 Series	Security	3.5	2.8
Non-exempt — biweekly paid			
400 Series	Administrative	5.5	6.5
500 Series	Technical	6.0	6.0
Non-exempt — step			
600 Series	Protective Force Sergeants	3.9	3.9
600 Series	Protective Force CAS	3.5	3.5
600 Series	Fire and dispatchers	4.6	4.6
800 Series	Facilities	3.6	3.6
900 Series	Machinists	6.5	6.5

The chart shows the merit allocations for the various job series at the Laboratory.

merit allocations and step structure adjustments for the different series are shown in the accompanying table. Individual increases will vary based on ranking and how current salaries compare to those of peers.

Complete salary review information is available on the Compensation Homepage at <http://www-hr.llnl.gov/PDF/compensation/> and the Compensation server at \\Compserver\Compensation Resources\Salary Review. Questions may also be directed to your directorate’s Compensation Representative.

Process keeps Lab salaries commensurate with external markets

The Laboratory’s policy is to maintain salaries commensurate with the external market and to pay employees based on their contribution and value to the institution. The following summarizes the Laboratory’s process for determining the Merit Allocations and Salary Structure Adjustments.

- The Laboratory participates in and obtains data from relevant market salary surveys using select benchmark jobs that are representative of the Laboratory’s employee population.
- The results of the surveys are reviewed and analyzed, taking into consideration the differences between the average base salaries at the Laboratory versus base salaries, bonuses and/or other cash paid on both a national and local area basis.

- A Laboratory market position, stated as a cost-to-market (CTM) is developed and presented to senior management for review.
- Once Laboratory senior management has reviewed the results of the market analysis, a Compensation Increase Plan request (CIP) is developed and submitted to the University of California and the Department of Energy for review and approval. The plan takes into consideration the Laboratory’s CTM and other factors including affordability, market trends and recruitment and retention concerns. It should be noted that the CIP is a request for the authority to spend a percentage of the Laboratory’s budget on salaries. It is not a request for additional funds for the Laboratory. Once received, DOE and UC will spend approximately four

to six weeks before approval to proceed with the salary program is granted.

- Once the CIP has been approved, the salary program allocations are developed, reviewed and approved by senior management. At the same time, salary structure adjustments are determined based on the degree to which our structure(s) align with the external market.
- It is only after these processes have been completed that the Lab officially “kicks off” the salary program each year.

The above table outlines the salary program allocations and structure adjustments for FY03.

If you have questions, contact the Compensation Division or refer to the Compensation Division Website.

Pombo visits Lab



JULIE KORHUMMEL/NEWSLINE

Congressman Richard Pombo (right) came to the Lab Monday for briefings on various Lab programs. Armando Alcaraz showed Director Michael Anastasio, Ryan Klobas and Pombo (from left) a special filter during a tour of the Forensic Science Center. Pombo also toured NIF and received a briefing on the Lab’s work in homeland security.



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